**[Linux下安装apache+PHP环境](https://www.cnblogs.com/yangzailu/p/8949973.html)**

安装环境：CentOS-7.6

Apache的相关软件包下载地址:

[http://httpd.apache.org/download.cgi#apache24](http://httpd.apache.org/download.cgi" \l "apache24" \t "https://blog.csdn.net/huangyuhuangyu/article/details/_blank)

**我这里使用的相关软件：**

1 Apache HTTP Server：

[http://mirrors.tuna.tsinghua.edu.cn/apache//httpd/httpd-2.4.39.tar.gz](http://mirrors.tuna.tsinghua.edu.cn/apache/httpd/httpd-2.4.39.tar.gz)

2 Apr和Apr-Util：

http://mirror.bit.edu.cn/apache//apr/apr-1.6.5.tar.gz

http://mirror.bit.edu.cn/apache//apr/apr-util-1.6.1.tar.gz

3 Pcre：

<https://ftp.pcre.org/pub/pcre/pcre-8.32.tar.gz>

4 PHP:

wget --no-check-certificate https://www.php.net/distributions/php-7.2.19.tar.gz

**安装相关依赖包：**

安装gcc：

yum install -y gcc-c++

安装依赖包expat-devel、zlib-devel、openssl-devel

yum install -y expat-devel zlib-devel openssl-devel

安装apr：

tar -zxvf apr-1.6.5.tar.gz

cd apr-1.6.5  
./configure --prefix=/usr/local/apr

make && make install

编译过程报错：rm: cannot remove 'libtoolT': No such file or directory

编辑配置文件，在配置文件中找到RM='$RM'这一行 修改为RM='$RM -f'，修改完成

安装apr-util：

tar -zxvf apr-util-1.6.1.tar.gz

cd apr-util-1.6.1

./configure --prefix=/usr/local/apr-util --with-apr=/usr/local/apr

make && make install

安装依赖包pcre

tar zxvf pcre-8.32.tar.gz

cd pcre-8.32

./configure --prefix=/usr/local/pcre

make && make install

解压Apache安装包：

tar zxvf httpd-2.4.39.tar.gz

cd httpd-2.4.39

./configure --prefix=/usr/local/server/apache \  
--with-apr=/usr/local/apr \

--with-apr-util=/usr/local/apr-util \

--with-pcre=/usr/local/pcre \  
--with-mysql=shared,mysqlnd \

--enable-so \

--enable-ssl \

--enable-deflate \  
--enable-rewrite \

--enable-headers \

--enable-expires \

--disable-cgid \

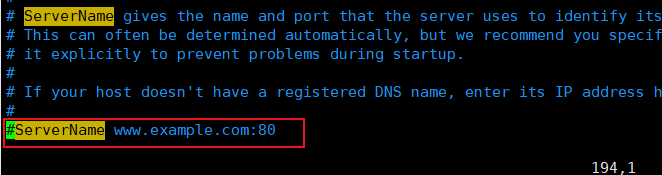
--disable-cgi

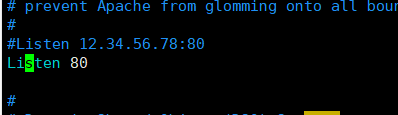
make && make install

修改配置文件httpd.conf：

vim /usr/local/server/apache/conf/httpd.conf

找到如下图 去掉#注释，修改为ServerName localhost:80 ,可以找到Listen修改端口





**将httpd加入系统服务并设置开机自启:**

1 将httpd加入系统服务

cp /usr/local/server/apache/bin/apachectl /etc/init.d/httpd

2 修改/etc/init.d/httpd

vim /etc/init.d/httpd

在第3行加入以下内容

**# chkconfig: 345 85 15**

**# description: Activates/Deactivates Apache Web Server**

（ps:‘#’不可去掉）

如需设置系统服务开机自启（我这里就不设置了）

systemctl enable httpd

**启动Apache服务：**

service httpd start

**重启：**

service httpd restart

**停止：**

service httpd stop

**安装PHP**

安装依赖包(为了安装过程的顺利)：

yum -y install wget vim pcre pcre-devel openssl openssl-devel \

libicu-devel gcc gcc-c++ autoconf libjpeg libjpeg-devel libpng \

libpng-devel freetype freetype-devel libxml2 libxml2-devel zlib \

zlib-devel glibc glibc-devel glib2 glib2-devel ncurses ncurses-devel \

curl curl-devel krb5-devel libidn libidn-devel openldap openldap-devel \

nss\_ldap jemalloc-devel cmake boost-devel bison automake libevent \

libevent-devel gd gd-devel libtool\* libmcrypt libmcrypt-devel mcrypt \

mhash libxslt libxslt-devel readline readline-devel gmp gmp-devel \

libcurl libcurl-devel openjpeg-devel libcurl.x86\_64 libcurl-devel.x86\_64 \

libjpeg-turbo libjpeg-turbo-devel libpng freetype  libpng-devel \

freetype-devel icu libicu libicu-devel  openldap openldap-clients \

openldap-devel openldap-servers

cp -frp /usr/lib64/libldap\* /usr/lib/

解压PHP压缩包

tar zxvf php-7.2.19.tar.gz

cd php-7.2.19

编译安装

./configure --prefix=/usr/local/server/php \

--with-apxs2=/usr/local/server/apache/bin/apxs \

--with-config-file-path=/usr/local/server/php \

--enable-fpm \

--with-fpm-user=www \

--with-fpm-group=www \

--enable-mysqlnd \

--with-mysqli=mysqlnd \

--with-pdo-mysql=mysqlnd \

--enable-mysqlnd-compression-support \

--with-iconv-dir \

--with-freetype-dir \

--with-jpeg-dir \

--with-png-dir \

--with-zlib \

--with-libxml-dir \

--enable-xml \

--disable-rpath \

--enable-bcmath \

--enable-shmop \

--enable-sysvsem \

--enable-inline-optimization \

--with-curl \

--enable-mbregex \

--enable-mbstring \

--enable-intl \

--with-libmbfl \

--enable-ftp \

--with-gd \

--with-openssl \

--with-mhash \

--enable-pcntl \

--enable-sockets \

--with-xmlrpc \

--enable-zip \

--enable-soap \

--with-gettext \

--disable-fileinfo \

--enable-opcache \

--with-pear \

--enable-maintainer-zts \

--with-ldap=shared \

--without-gdbm

make && make install

（如果上面步骤出现错误可以尝试再试一次）

配置php.ini:

将配置文件拷贝到PHP安装目录

cp php.ini-\* /usr/local/server/php/

生成php.ini

cp php.ini-development /usr/local/server/php/php.ini

cp /usr/local/server/php/etc/php-fpm.conf.default /usr/local/server/php/etc/php-fpm.conf

修改php.ini配置文件：

vi /usr/local/server/php/php.ini

可以参考如下配置：

**expose\_php = Off**

**short\_open\_tag = ON**

**max\_execution\_time = 300**

**max\_input\_time = 300**

**memory\_limit = 128M**

**post\_max\_size = 32M**

**date.timezone = Asia/Shanghai**

**extension\_dir = "/usr/local/server/php/lib/php/extensions/no-debug-zts-20170718/"**

修改httpd.conf:

vi /usr/local/server/apache/conf/httpd.conf

载入PHP模块，如httpd.conf中有下列代码则直接去掉前面#即可，没有则加入（注意：这里如果有了请不要重复加入）

**LoadModule php7\_module modules/libphp7.so**

在底部加入以下代码使得Apache可以解析php文件：  
**<IfModule mod\_php7.c>**

**AddType application/x-httpd-php .php**

**</IfModule>**

找到如下代码，在index.html后面加入index.php（设置欢迎页面，该步骤可省略）  
**<IfModule dir\_module>**

**DirectoryIndex index.html**

**</IfModule>**

重启Apache

service httpd restart

测试PHP是否成功安装

创建/usr/local/server/apache/htdocs/index.php

vim /usr/local/server/apache/htdocs/index.php

在index.php中编写以下代码  
**<?php**

**phpinfo();**

**?>**

然后访问试一下！

<http://x.x.x.x/index.php>